OIPE JC139
APR 25 2005
PATENT & TRADEMARK OFFICE

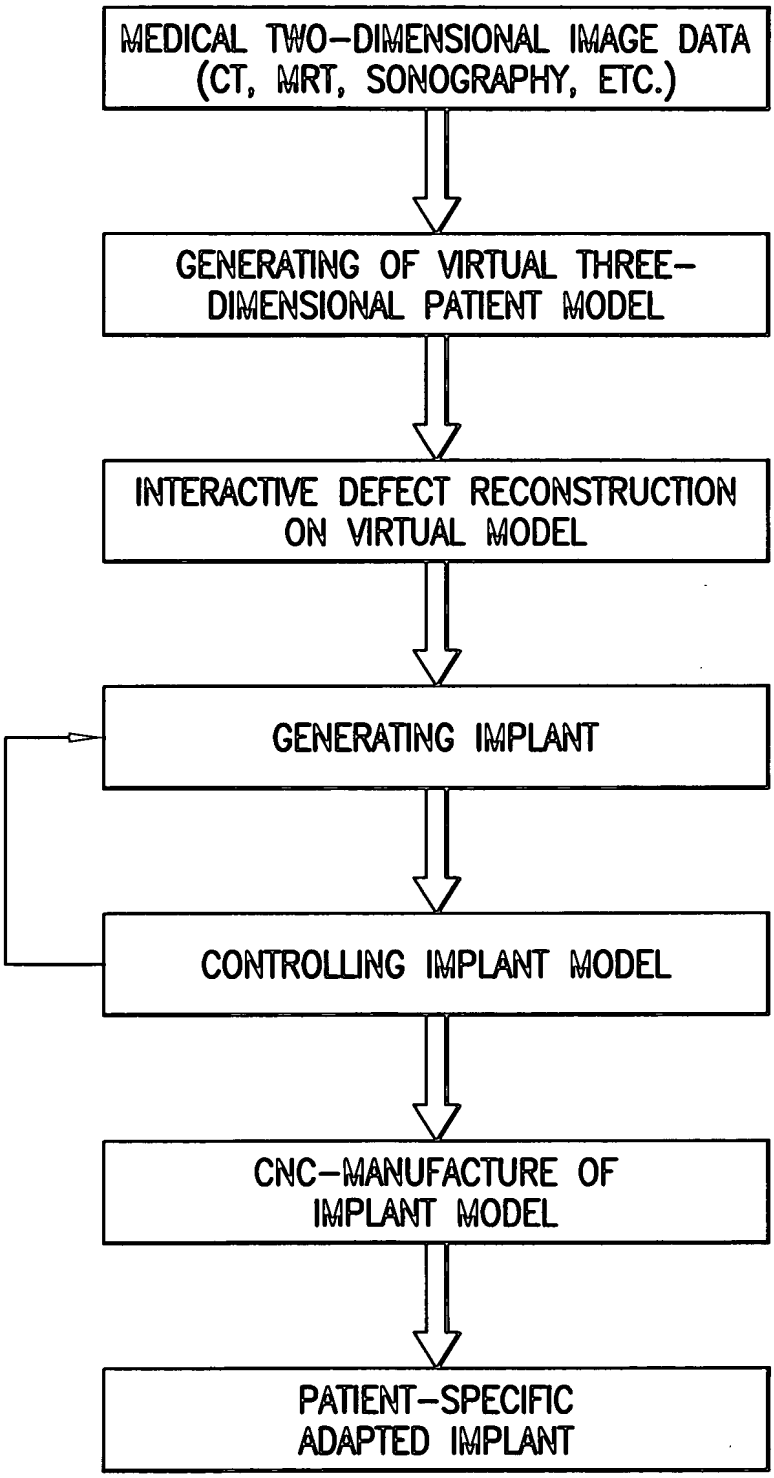

FIG. 1

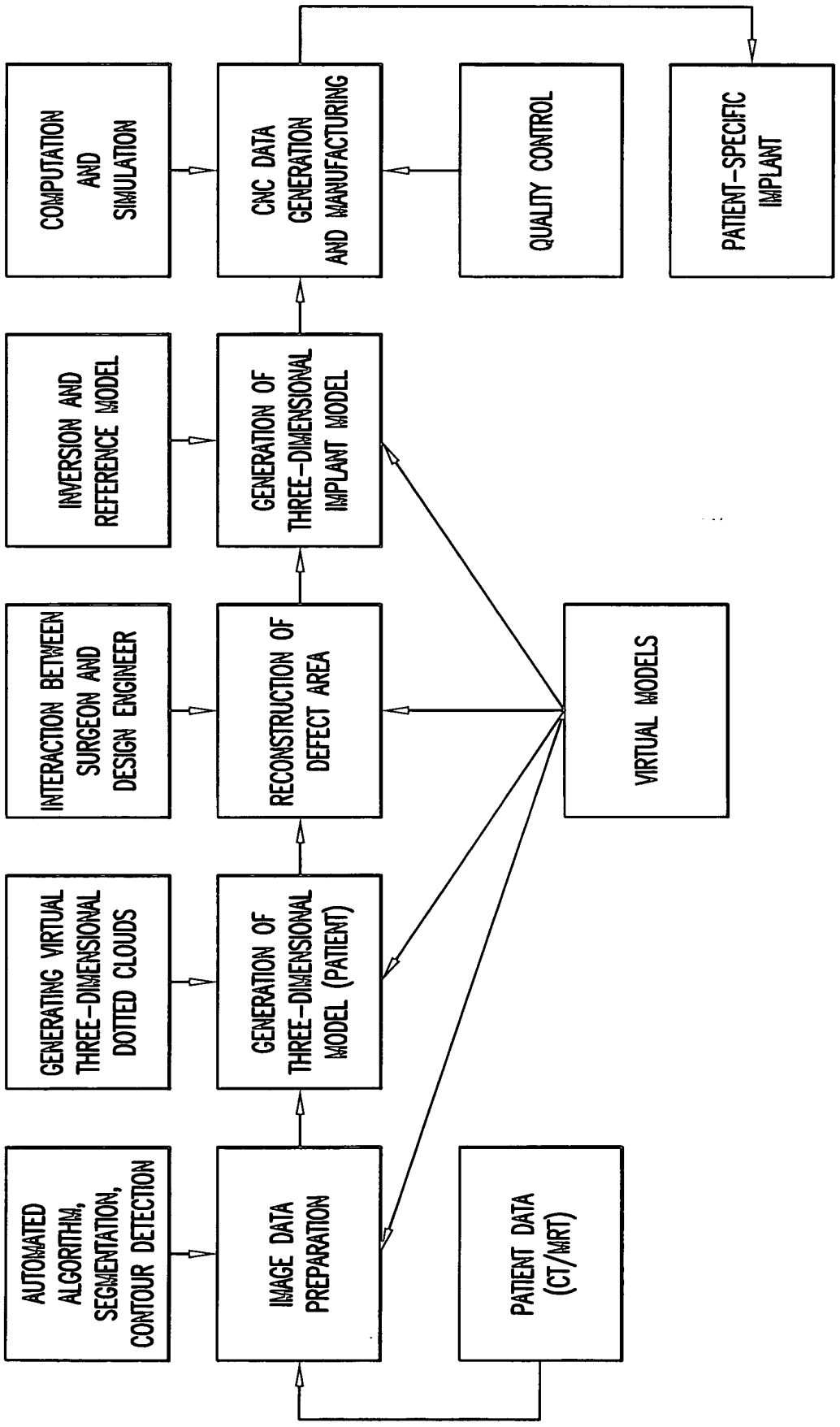
COMPUTATION AND SIMULATION
CNC DATA GENERATION AND MANUFACTURING
QUALITY CONTROL
PATIENT-SPECIFIC IMPLANT
INVERSION AND REFERENCE MODEL
GENERATION OF THREE-DIMENSIONAL IMPLANT MODEL
INTERACTION BETWEEN SURGEON AND DESIGN ENGINEER
RECONSTRUCTION OF DEFECT AREA
VIRTUAL MODELS
GENERATING VIRTUAL THREE-DIMENSIONAL DOTTED CLOUDS
GENERATION OF THREE-DIMENSIONAL MODEL (PATIENT)
AUTOMATED ALGORITHM, SEGMENTATION, CONTOUR DETECTION
IMAGE DATA PREPARATION
PATIENT DATA (CT/MRT)

FIG. 2

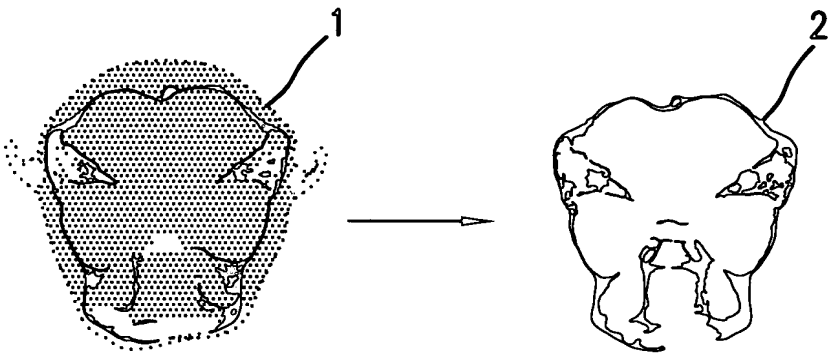

FIG.3

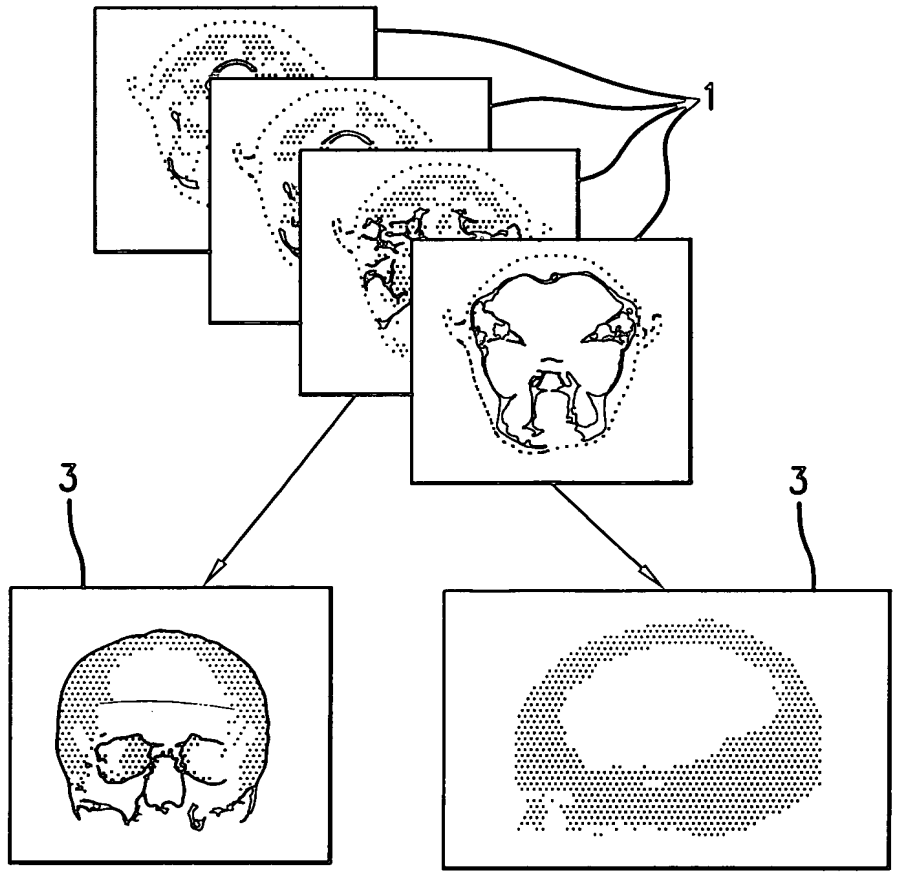

FIG.4

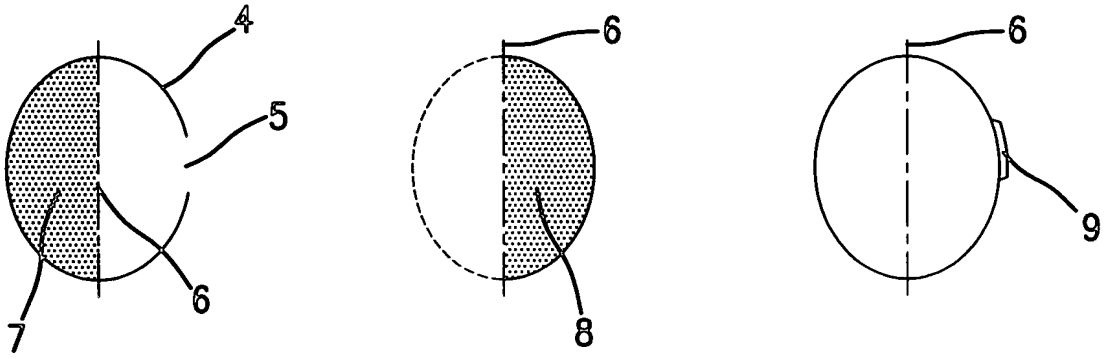

FIG.5

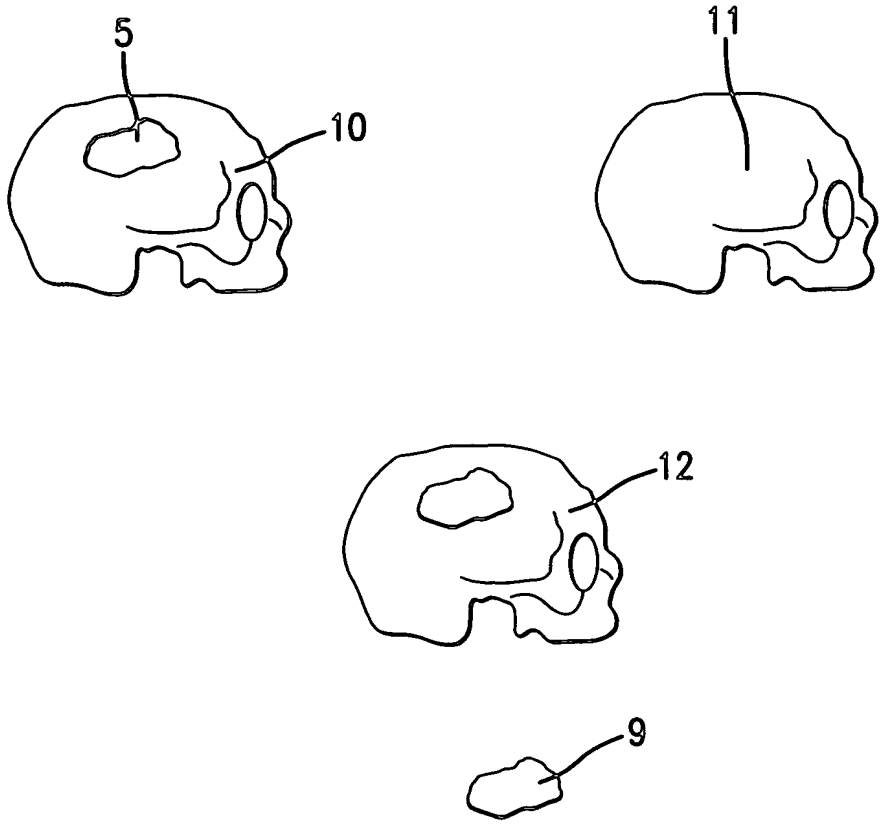

FIG.6

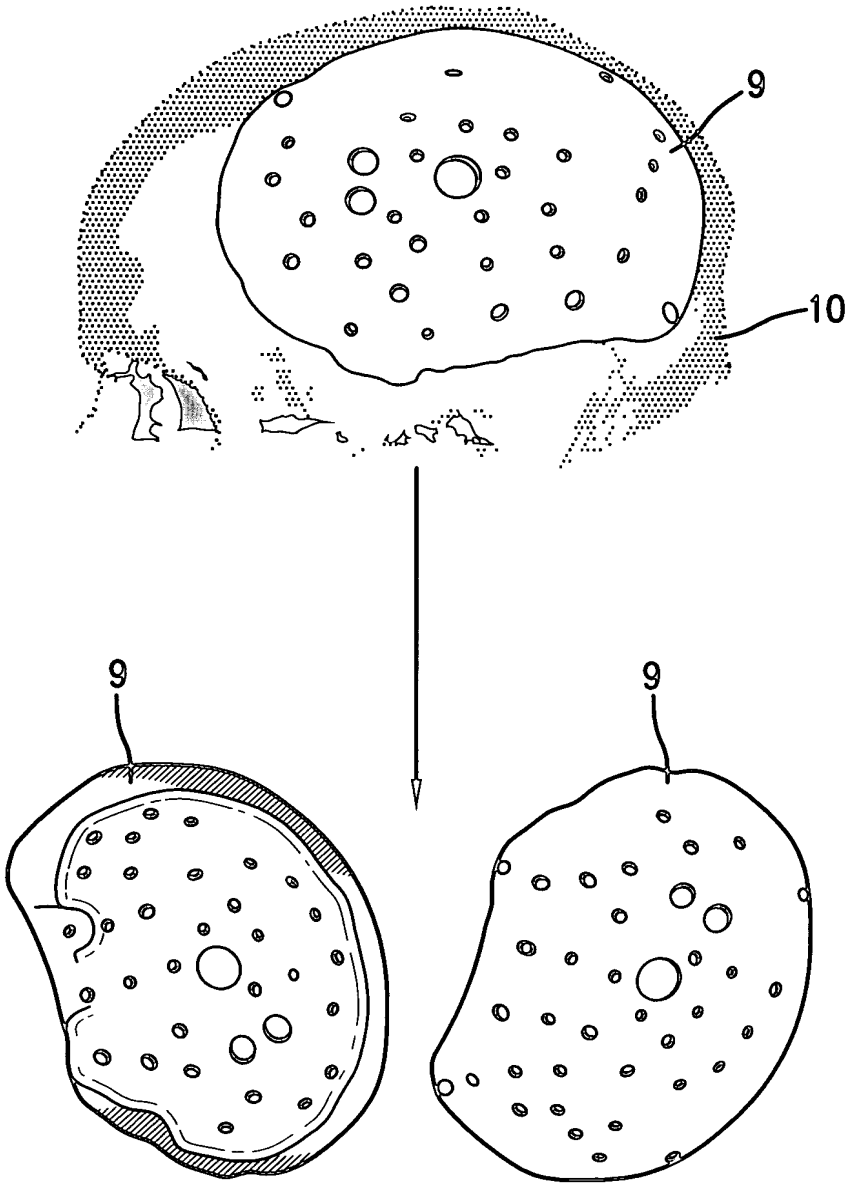

FIG. 7